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			PTO/SB/21 (09-04)
	Application Number	10/775,702	
O I PRANSMITTAL	Filing Date	February 9, 2004	
√ <b>£</b> FORM	First Named Inventor	Ikuya Yagisawa	
3 NOV 21 2005 &	Art Unit	2187	
(to be used for all correspondence after initial filing)	Examiner Name	Matthew A. Bradley	
Pages in This Submission	Attorney Docket Number	16869N-104800US	

Pages in This Submission	Attorney Docket Number	16869N-104800US				
	ENCLOSURES (Check all th	nat apply)				
Fee Transmittal Form Fee Attached  Amendment/Reply After Final Affidavits/declaration(s)  Extension of Time Request Express Abandonment Request Information Disclosure Statement  Certified Copy of Priority Document(s)  Reply to Missing Parts/ Incomplete Application	Drawing(s)  Licensing-related Papers  Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Ad Terminal Disclaimer Request for Refund CD, Number of CD(s)  Landscape Table on CD	After Allowance Communication to TC  Appeal Communication to Board of Appeals and Interferences  Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter  Other Enclosure(s) (please identify below):  USPTO forms SB08A & SB08B (two page), copies of 6 cited references, Return Postcard				
Reply to Missing Parts under 37 CFR 1.52 or 1.53	Reply to Missing Parts					
SIGN Firm Name	ATURE OF APPLICANT, ATTOR	NEY, OR AGENT				
Townsend and Tow	nsend and Crew LLP					
Signature	fle					
Printed name Chun-Pok Leung						
Date     (-1 ) -0 ) Reg. No. 41,405						
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Signature						
Typed or printed name		Date  1  8 05				

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2. EXCESS CLA	M FEES										nall Entity Fee (\$)
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Name (Print/Type) Chun-Pok Leung

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On NOV 2 1 2005
TOWNSEND and TOWNSEND and CREW LLP

By:

Attorney Docket No.: 16869N-104800US Client Reference No.: NT1254US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ikuya YAGISAWA et al.

Application No.: 10/775,702

Filed: February 9, 2004

For: ARRAY-TYPE DISK APPARATUS PREVENTING DATA LOST WITH TWO DISK DRIVES FAILURE IN THE SAME RAID GROUP, THE PREVENTING PROGRAMMING AND

SAID METHOD

11/22/2005 HGUTEMA1 00000017 201430 10775702

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Examiner: Matthew A. Bradley

Art Unit: 2187

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37

CFR §1.97 and §1.98

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the cited non-patent references are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

Ikuya YAGISAWA et al. Application No.: 10/775,702

Page 2

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

~ (L/sh

Chun-Pok Leung Reg. No. 41,405

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834

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Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 2

,	Complete if Known
Application Number	10/775,702
Filing Date	February 9, 2004
First Named Inventor	Ikuya Yagisawa
Art Unit	2187
Examiner Name	Matthew A. Bradley
Attorney Docket Number	16869N-104800US

			U.S. PATENT DO	CUMENTS+	
		Document Number		_	
Examiner Initials*	Cite No.1	Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Cite Foreign Patent Document				Other Landson		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T <sup>6</sup>
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Examiner Signature	·	Date Considered	

Substitute for form 1449B/PTO Complete if Known Application Number 10/775,702 **INFORMATION DISCLOSURE** Filing Date February 9, 2004 STATEMENT BY APPLICANT First Named Inventor Ikuya Yagisawa Art Unit 2187 (use as many sheets as necessary) Examiner Name Matthew A. Bradley 16869N-104800US Attorney Docket Number Sheet

NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item								
Examiner Initials *	Cite No. <sup>1</sup>	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2					
,	19	ALVAREZ et al. " Tolerating multiple failures in RAID architectures with optimal storage and uniform declustering," Proceedings of the 24th annual international symposium on Computer architecture pp. 62-72 (1997).						
	20	COHEN et al. "Segmented information dispersal (SID) for efficient reconstruction in fault-tolerant video servers," Proceedings of the fourth ACM international conference on Multimedia pp.277-286 (1997).						
	21	HOU " Comparing rebuild algorithms for mirrored and RAID5 disk arrays," Proceedings of the 1993 ACM SIGMOD international conference on Management of data pp. 317-326 (1993).						
	22	MENON et al. "Comparison of sparing alternatives for disk arrays," Proceedings of the 19th annual international symposium on Computer architecture pp. 318-329 (1992).						
	23	MOGI et al. "Hot mirroring: a method of hiding parity update penalty and degradation during rebuilds for RAID5," Proceedings of the 1996 ACM SIGMOD international conference on Management of data pp. 183-194 (1996).						
	24	MUNTZ et al. "Performance Analysis of Disk Arrays Under Failure," Proceedings of the 16th Conference on Very Large Databases (VLDB) pp.162-173 (1990).						

Examiner	Date	•
Signature	 Considered	· · · · · · · · · · · · · · · · · · ·

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.